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(54) **TARGETING ENERGY UNITS IN A BLOCKCHAIN**

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CPC ***G06Q 50/06*** (2013.01); ***H02J 13/00002*** (2020.01); ***H02J 13/00007*** (2020.01); *G05F 1/66* (2013.01)

(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A method and system for tracking and targeting particular energy sources in an electrical grid is provided. A processor stores information regarding units of produced energy as transactions in a blockchain. A processor receives, from an endpoint device of a plurality of endpoint devices connected to a power grid, a request for a unit of energy represented in the blockchain. A processor sends an indication, to the endpoint device, that the endpoint device is permitted to consume the unit of energy from the power grid. A processor updates the blockchain to record the consumption of the unit of energy.

21 Claims, 7 Drawing Sheets